



Speed and Innovation

13 September 2017

Presented to:
NDIA

Presented by:
CAPT Mel Yokoyama, USN
Commanding Officer
SPAWAR Systems Center Pacific

Sea Story - Why I am here



WE ARE BEING OVER RUN



“Right now, we are being outpaced by our adversaries. We’ve lost the ability to go fast.....we need to get back to the basics of speed and innovation

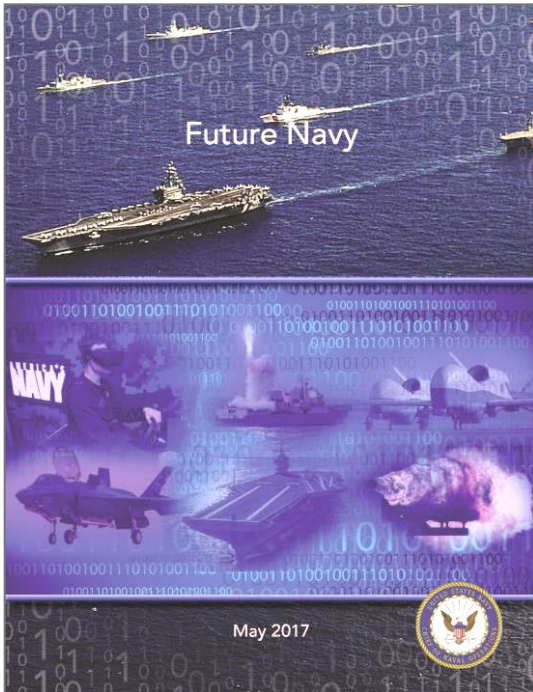
General John E. Hyten, USAF
US Strategic Command
08 August 2017

S2ME2 Advanced Naval Technology Exercise Camp Pendleton, 24-28 APR 2017



Copy and paste url into your browser for a 6 minute video highlight.
<https://www.dvidshub.net/video/522656/ssc-tvs-s2me2-recap>

Set Course, Full Speed Ahead!



*"The Navy must get to work now to both build more ships , and to **think forward – innovate – as we go.** To remain competitive, we **must start today, and we must improve faster.**"*

"The Future Navy," a white paper by Admiral John Richardson,
Chief of Naval Operations, 17 MAY 2017

Deploy Capabilities.....**FASTER!**

▼ Disruptive Processes

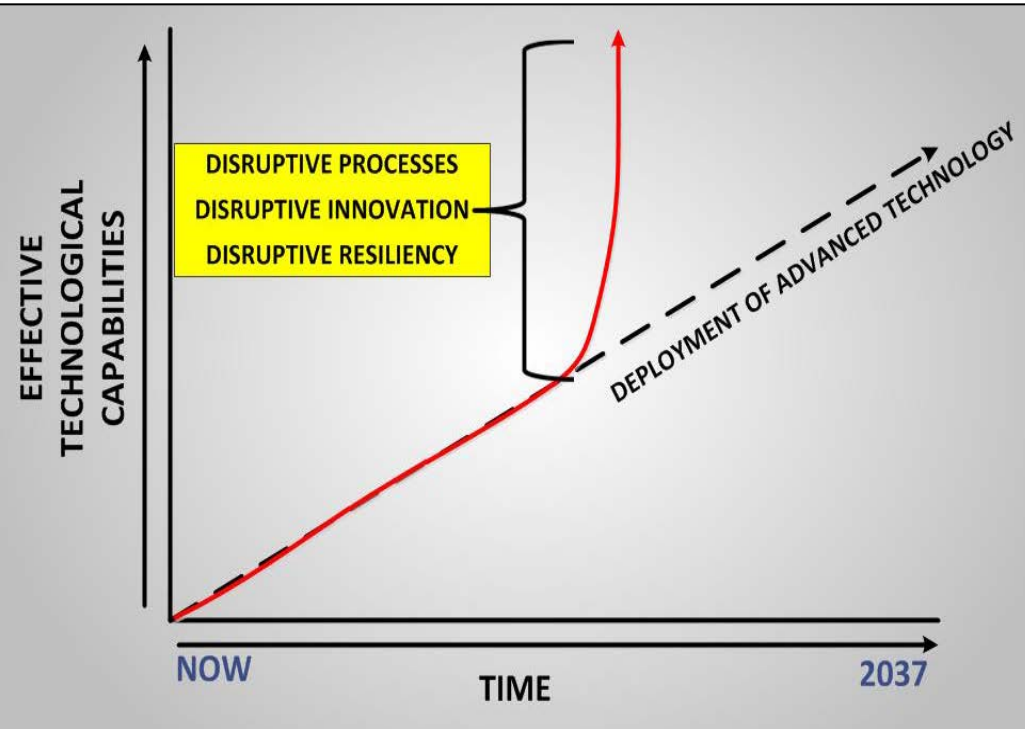
- Install HW and SW **outside** of CNO avails
- **More frequent** capability updates to leapfrog adversary

▼ Disruptive Innovation

- **Modular** designs, rapidly swappable capabilities
- Decoupled SW from HW

▼ Disruptive Resiliency

- Ability to **scale** effortlessly
- **Predictive** maintenance

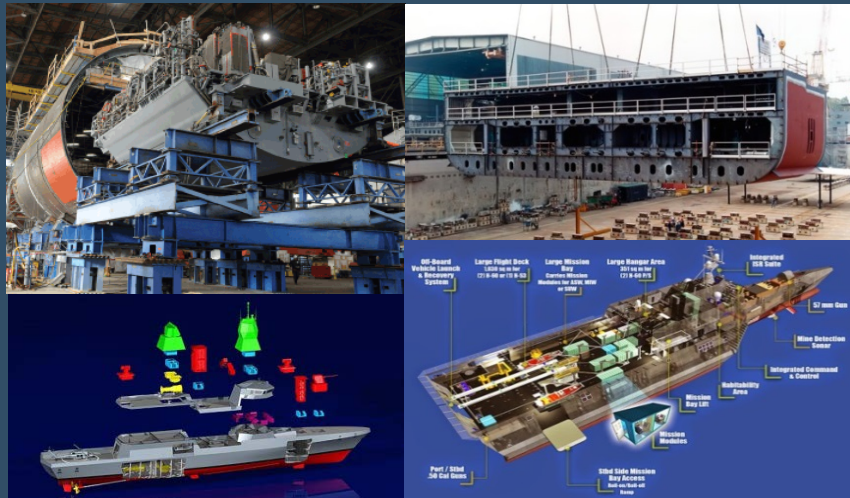


We Must Respond To The Accelerated Pace Of Technology

Information Warfare (IW) Platform Vision

Deploy Capabilities.....Faster!

Modular Design & Construction



▼ Transformation vice Streamlining

- Focus on Delivery of Apps not Systems
- Focus on End-User Experience
- Infrastructure-as-a-Commodity (IaaS)

▼ Modular, Open HW Design

- Designed for Install and Rapid Refresh
- Apps that run on top of a fully abstracted HW platform

▼ Continuously updated platform

- No longer delivering monolithic systems
- Rapid Capability Development and Insertion
- Interoperability & Resiliency Built-In
 - “Move Interoperability to the Left”



User Focused Experience



Making the Complex– Simple and Intuitive!

- ▼ Operators need more **intuitive interfaces** and **automated assistance** to prioritize actions
- ▼ **COA tools** and **decision aids** to facilitate faster, and higher quality decision making by our warfighters
- ▼ Increase efficiency and situational awareness, while **reducing human error and training**



SSC Pacific / Industry -- Partnership

- ▼ Rapid Prototyping – Demonstrate Speed and Innovation!
- ▼ Develop Lightweight “Apps” to ride on IW Platform
- ▼ Modular Designs, rapidly swappable capabilities
- ▼ Making the Complex – Simple and Intuitive for our operators



Looking for Innovative Ways To Deploy Decisive Capabilities To The Warfighters – FASTER!

Questions?

SSC Pacific.....We Believe.....

Everything we do *guarantees*
the **success of the Warfighter's mission**
and their **safe return home!**

